

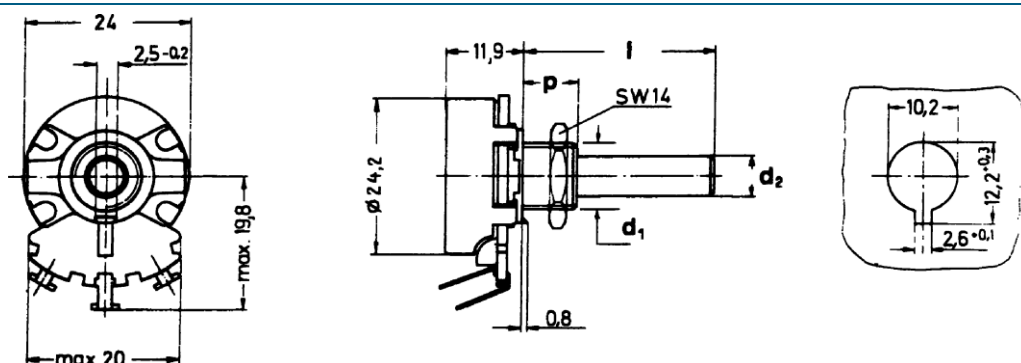
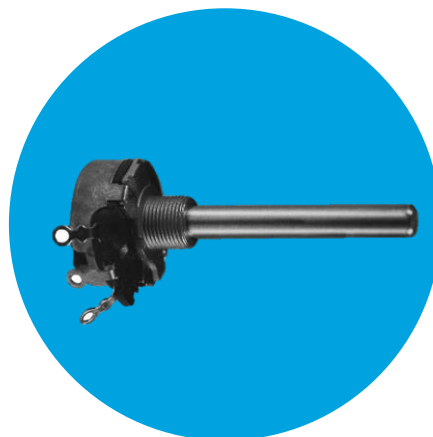
Wirewound rotary

Series AW

Type AW

Ordering code no.: 31 046

Basic design: encased, nominal width 24 mm, solder tag terminals



Technical data

Rated resistance range	5 Ω - 25 k Ω	Temperature range	-40 °C to +90 °C
Resistance tolerance	$\pm 10\%$ (< 10 Ω $\pm 20\%$) on request $\pm 5\%$, $\pm 2\%$	Temperature coefficient	See table
Law (resistance taper)	lin	Electrical travel	280° $\pm 5^\circ$
Independent linearity	$\pm 2\%$	Mechanical travel	300° $\pm 10^\circ$
Rated dissipation	4 W / 40 °C	Operating torque	0.7 - 3.6 Ncm
Limiting element voltage	500 V	End stop torque	115 Ncm
Isolation voltage	1 kV ~	Durability	10 000 cycles

Spindles

Metal, plastic moulded on request
(see table)

l (mm)	p (mm)	d ₂ (mm)	d ₁
standard 50	8 or 12	6	M10 x 0,75

Temperature coefficient and resolution

RN	10 Ω	25 Ω	50 Ω	100 Ω	250 Ω	500 Ω	1 k Ω	2,5 k Ω	5 k Ω	10 k Ω	25 k Ω
TC-value ppm / °C	+ 400	+ 400	+ 40 - 80	+ 40 - 80	+ 40 - 80	+ 140	± 20	± 20	± 20	± 20	± 20
Resolution %	0,75	0,75	0,7	0,5	0,35	0,35	0,3	0,3	0,2	0,15	0,13